

Soil Foodweb Report



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"Dedicated to promote peace, harmony, and dignity amongst all living things."

Sample Name: Compost #1

Sample Type: Compost

Plants Present/Desired: Turf

Minimum Requirements

Sample Results

Standard Deviation

Beneficial Microorganisms

Bacteria (um/g)	300	2,500 600	Okay: The results were within range but very high compared to beneficial fungi biomass. Reducing bacteria is recommended.
Actinobacteria (um/g)	1-4	0.5 0.3	Low: The actinobacteria is lower than what is normally found in healthy soils with similar plants.
Fungi (um/g)	300	730 270	Good: The fungal biomass observed met the minimum requirements for your types of plants.
F:B Ratio	0.8:1 – 1:1	0.29	High: The bacterial biomass needs to be reduced so that the F:B ratio will be closer to the desired range for your type of plants.

<u>Protozoa (Total)</u>	>50000		Good: The beneficial protozoa numbers observed met the minimum requirements for your types of plants.
Flagellate (#/g)	(See Total)	147,000 195,000	
Amoebae (#/g)	(See Total)	114,000 45,000	

Nematodes

Bacterial-feeding (#/g)	200	200	Good: Minimum numbers met.
Fungal-feeding (#/g)	20	0	None detected: Fungal-feeding nematodes help to release nutrients from fungal hyphae to the plants. Need to replenish.
Predatory (#/g)	2	0	None detected: Need to replenish.

Detrimental Microorganisms

Disease-Causing Fungi

Oomycetes (um/g)	0	20 50	High: Needs to be eliminated. These types of fungi are often disease-causing.
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Anaerobic Protozoa

Ciliate (#/g)	0	0 0	None detected: No ciliates were observed in the sample. Great!
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Nematode

Root-feeding (#/g)	0	0	None detected. No root-feeding nematodes were detected. Great!
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Were any anaerobic indicating bacteria observed in the sample?

Yes

Were any pathogenic bacteria observed in the sample?

No

